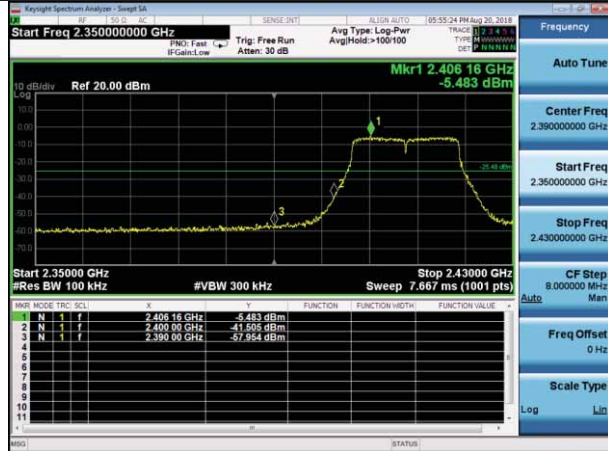
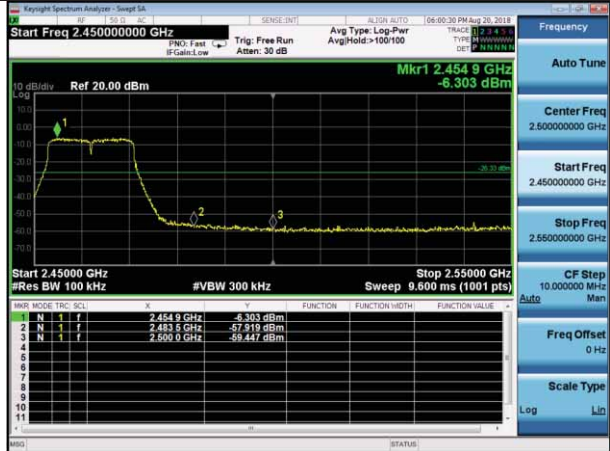




802.11n HT20			
Frequency (MHz)	Delta Peak to Band emission (dBc)	Limit (dBc)	Verdict
2400.00	-36.022	-20	PASS
2483.50	-51.616	-20	PASS

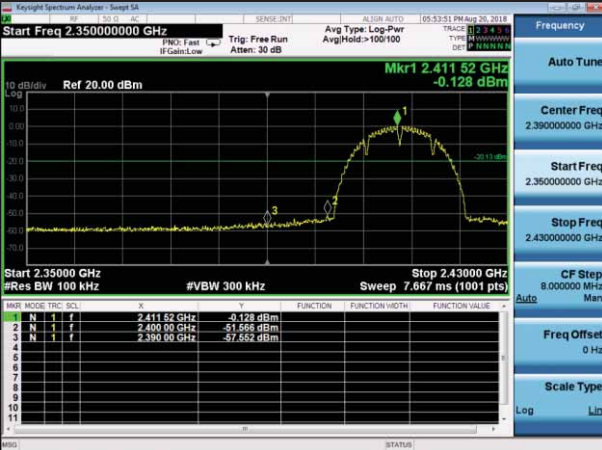

	2412
	2462

802.11n HT40			
Frequency (MHz)	Delta Peak to Band emission (dBc)	Limit (dBc)	Verdict
2400.00	-32.521	-20	PASS
2483.50	-46.704	-20	PASS

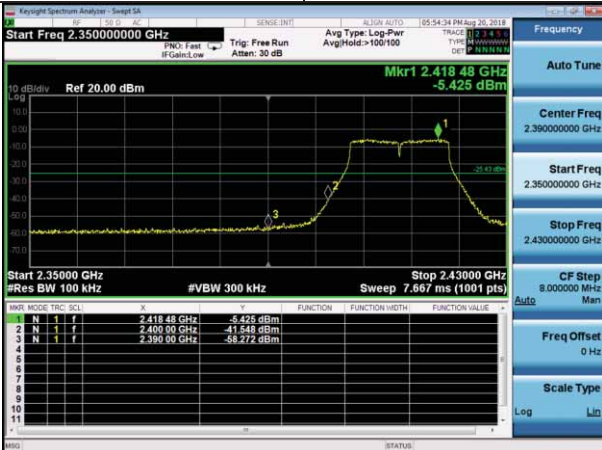
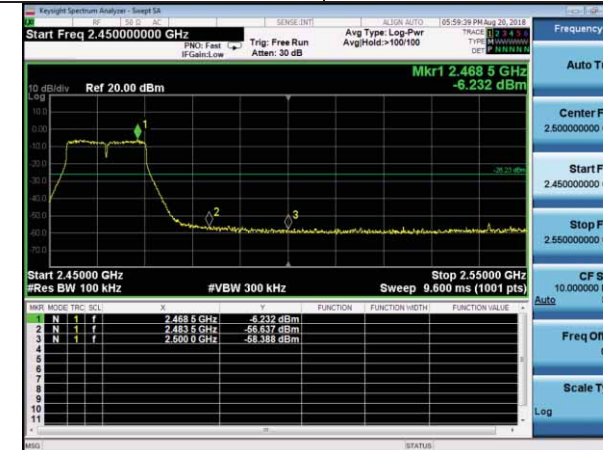
	2422
	2452

Antenna 2

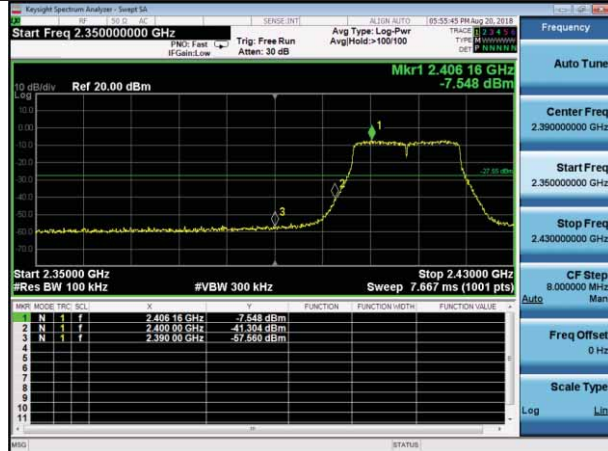
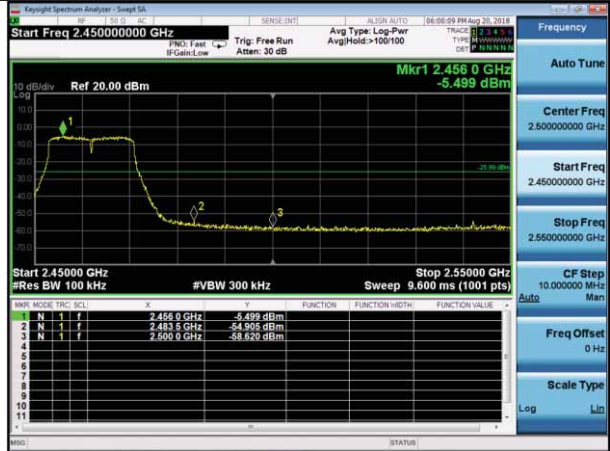
802.11b			
Frequency (MHz)	Delta Peak to Band emission (dBc)	Limit (dBc)	Verdict
2400.00	-51.438	-20	PASS
2483.50	-56.596	-20	PASS

	2412
	2462

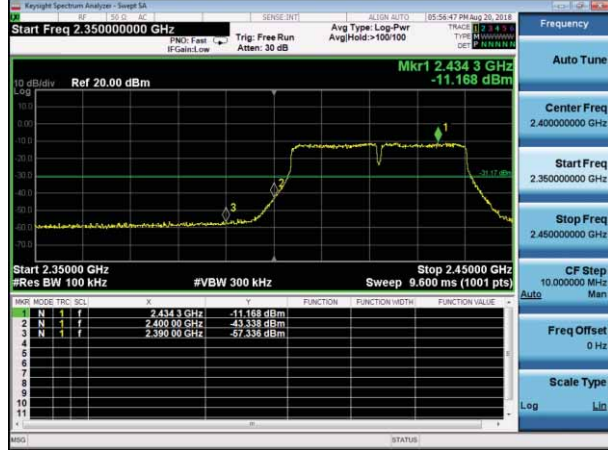
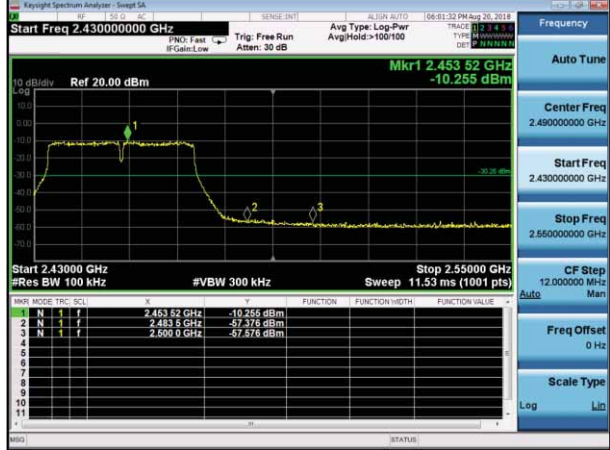
802.11g			
Frequency (MHz)	Delta Peak to Band emission (dBc)	Limit (dBc)	Verdict
2400.00	-36.123	-20	PASS
2483.05	-50.405	-20	PASS

	2412
	2462

802.11n HT20			
Frequency (MHz)	Delta Peak to Band emission (dBc)	Limit (dBc)	Verdict
2400.00	-33.756	-20	PASS
2483.50	-49.406	-20	PASS

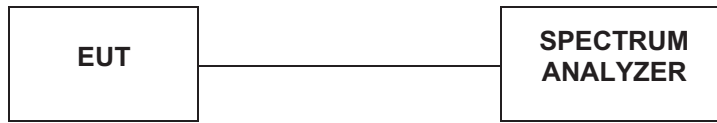
	2412		2462
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802.11n HT40			
Frequency (MHz)	Delta Peak to Band emission (dBc)	Limit (dBc)	Verdict
2400.00	-32.17	-20	PASS
2483.50	-47.121	-20	PASS

	2422		2452
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4.7. Spurious RF Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013, For 9KHz-150kHz, Set RBW=1kHz and VBW= 3KHz;For 150KHz-10MHz, Set RBW=10kHz and VBW= 30KHz;For 10MHz-25GHz ,Set RBW=100kHz and VBW= 300KHz in order to measure the peak field strength, and mwasure frequency range from 9KHz to 25GHz.

LIMIT

1. Below -20dB of the highest emission level in operating band.
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.
3. For below 30MHz, For 9KHz-150kHz, 150K-10MHz, We use the RBW 1KHz, 10KHz, So the limit need to calculated by " $10\lg(BW1/BW2)$ ". for example For 9KHz-150kHz, RBW 1KHz, The Limit= the highest emission level-20- $10\lg(100/1)$ = the highest emission level-40.

TEST RESULTS

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data. and record the worstest data for Antenna 1 in report .

Test Mode:

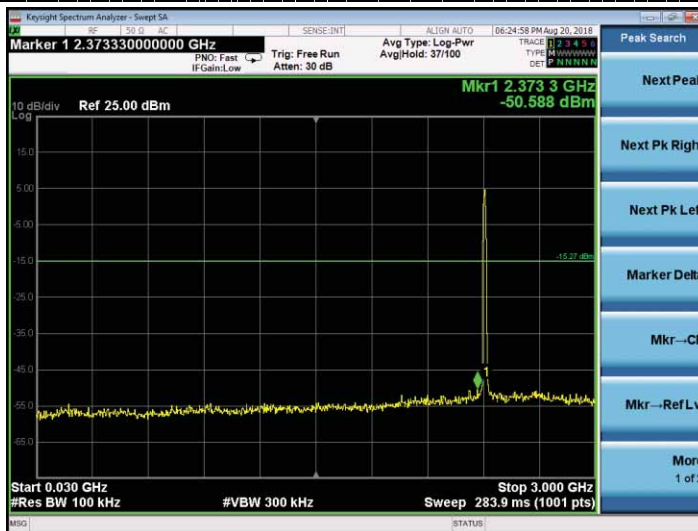
802.11b

Test channel :

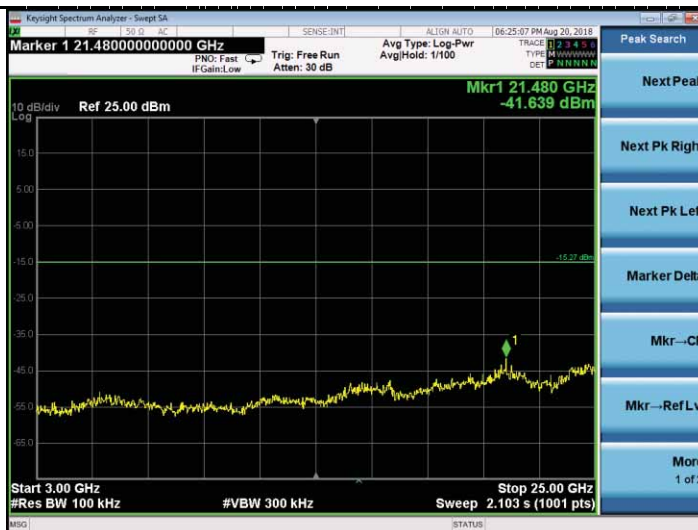
01



Channel 01



30MHz ~3GHz



3GHz~25GHz

Test Mode:

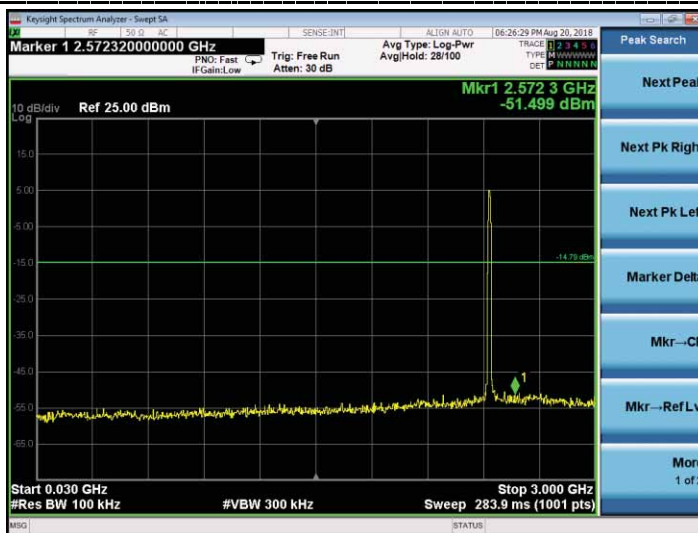
802.11b

Test channel :

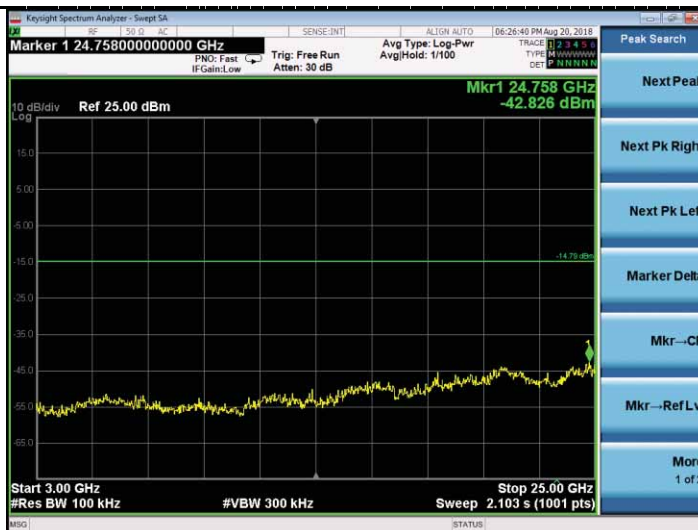
06



Channel 06



30MHz ~3GHz

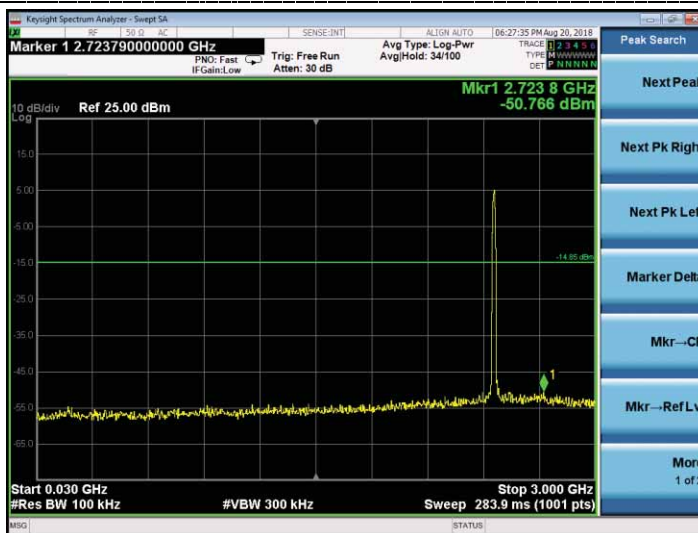


3GHz~25GHz

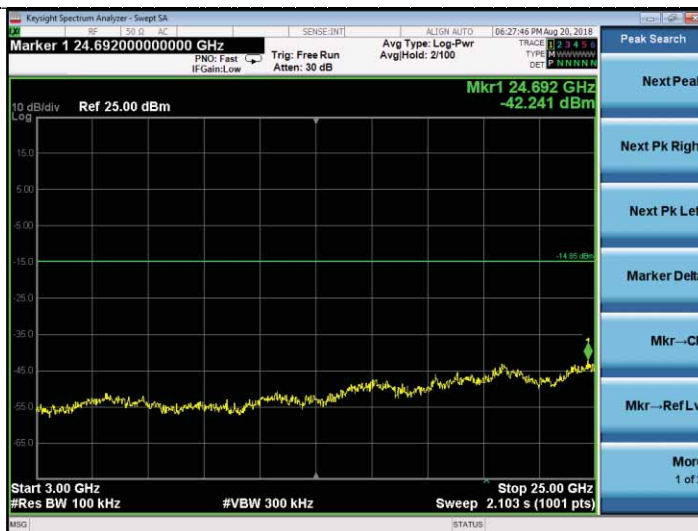
Test Mode:	802.11b	Test channel :	11
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Channel 11

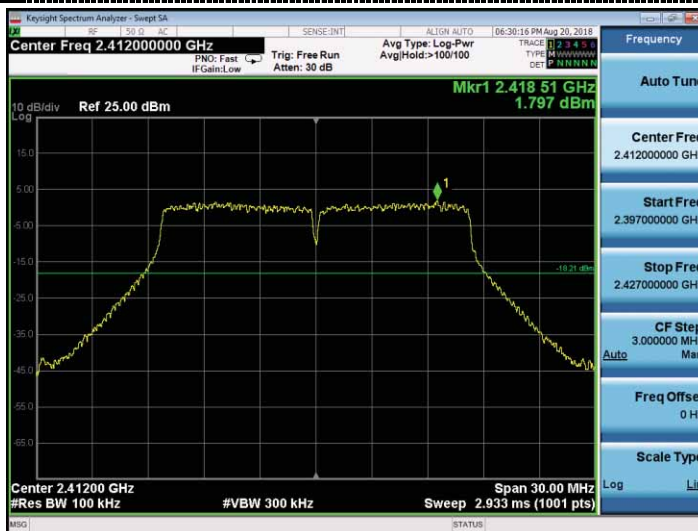


30MHz ~3GHz

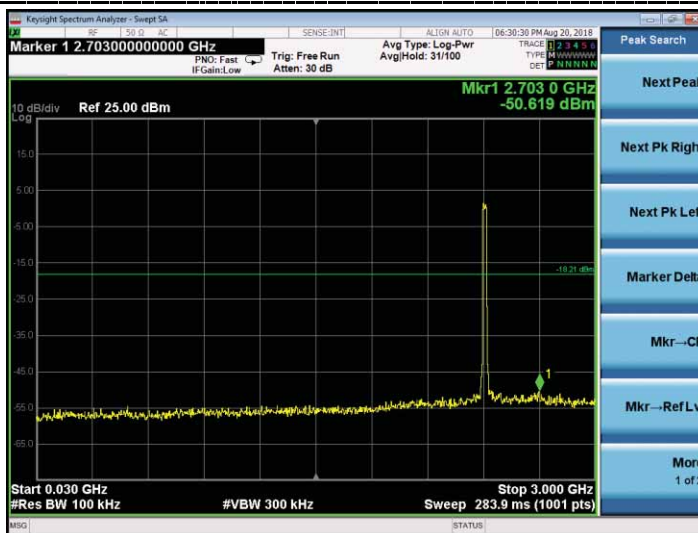


3GHz~25GHz

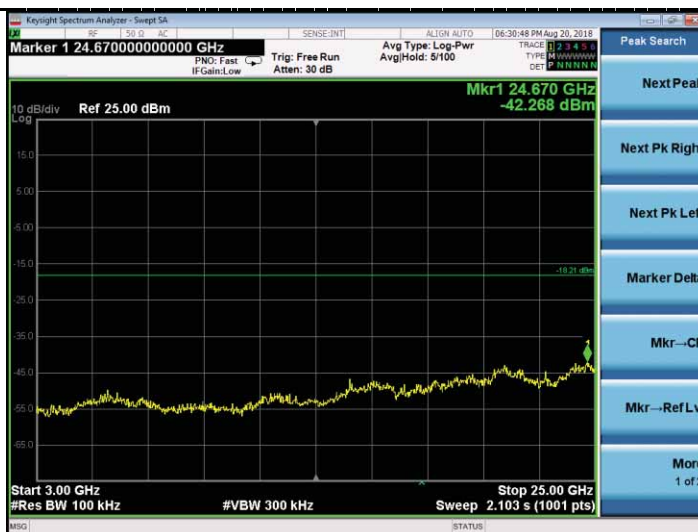
Test Mode:	802.11g	Test channel :	01
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Channel 01



30MHz ~3GHz

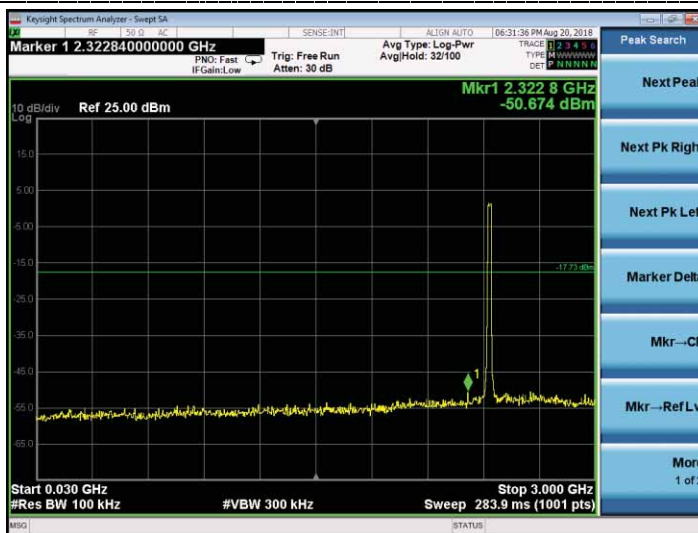


3GHz~25GHz

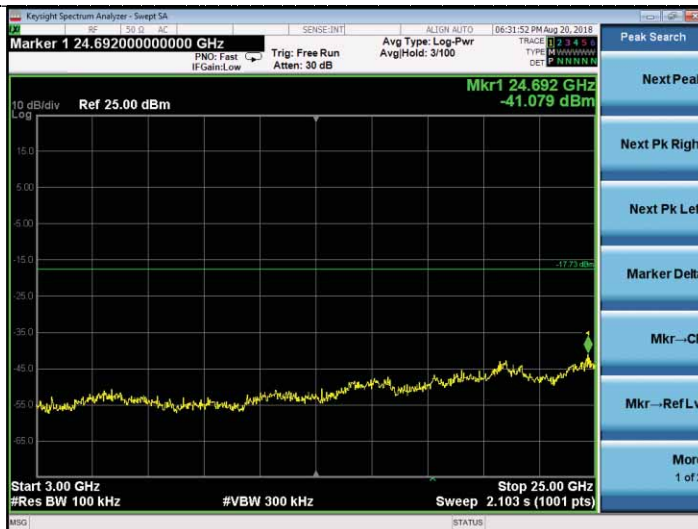
Test Mode:	802.11g	Test channel :	06
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Channel 06



30MHz ~3GHz



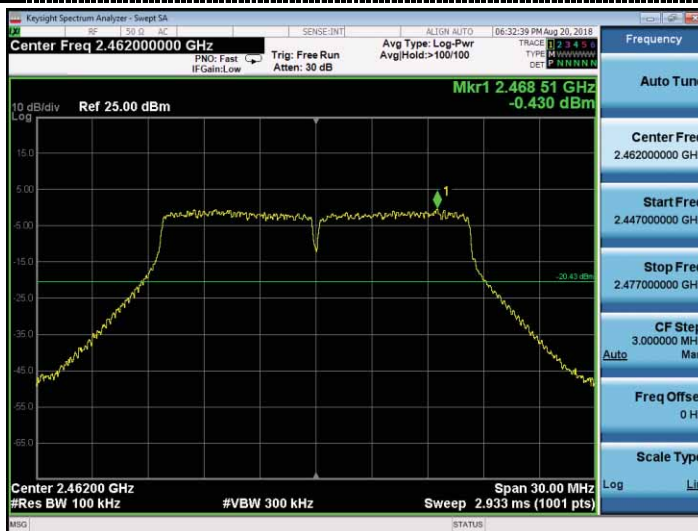
3GHz~25GHz

Test Mode:

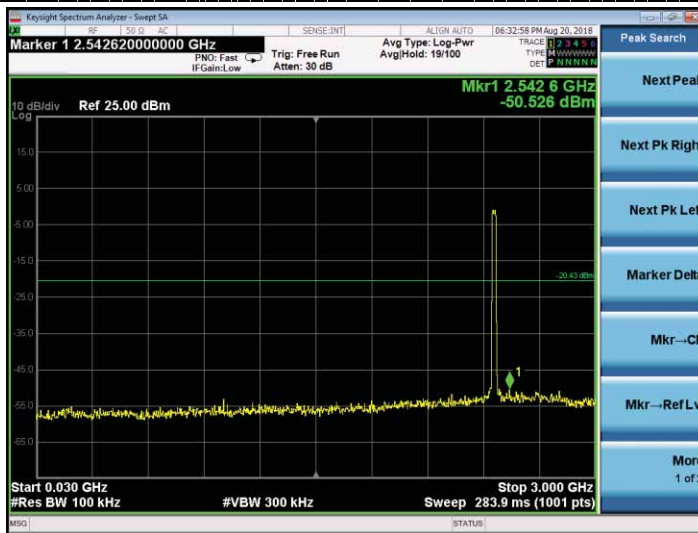
802.11g

Test channel :

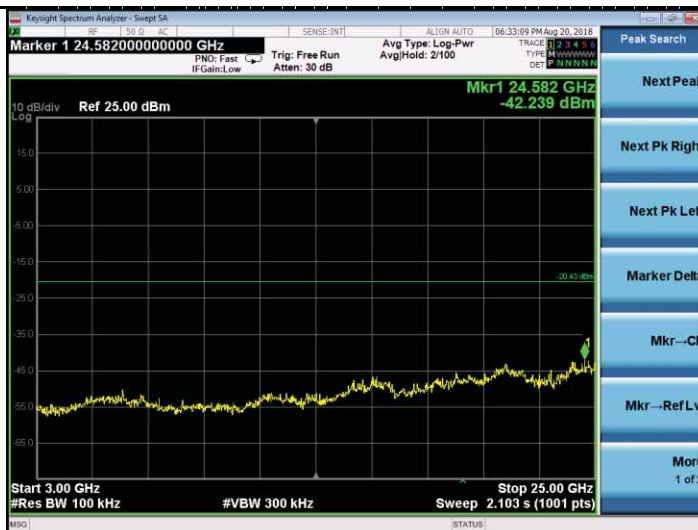
11



Channel 11

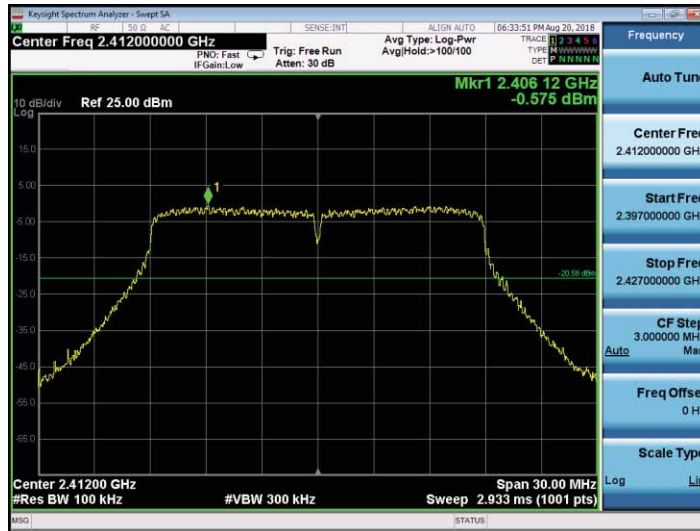


30MHz ~3GHz

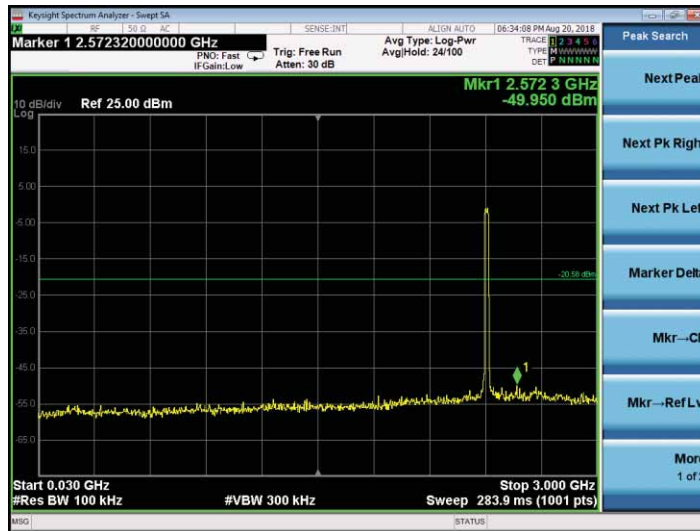


3GHz~25GHz

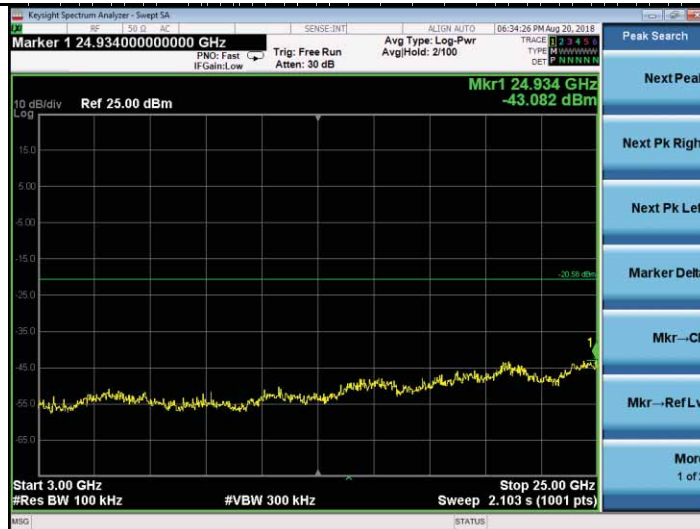
Test Mode:	802.11n HT20	Test channel :	01
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Channel 01



30MHz ~3GHz



3GHz~25GHz

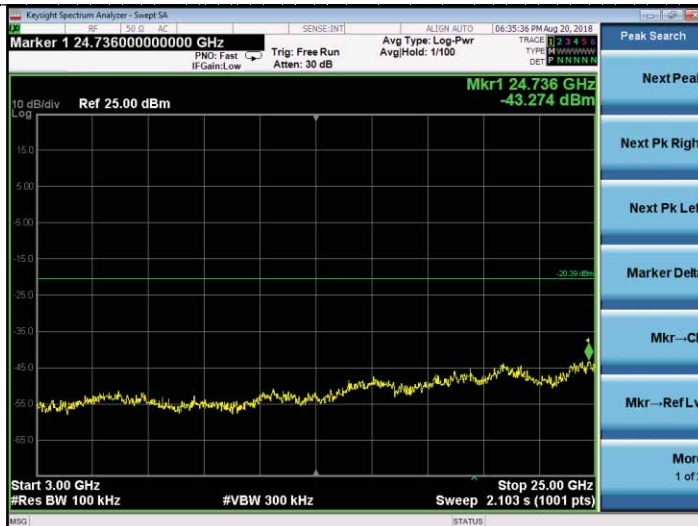
Test Mode:	802.11n HT20	Test channel :	06
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Channel 06



30MHz ~3GHz



3GHz~25GHz

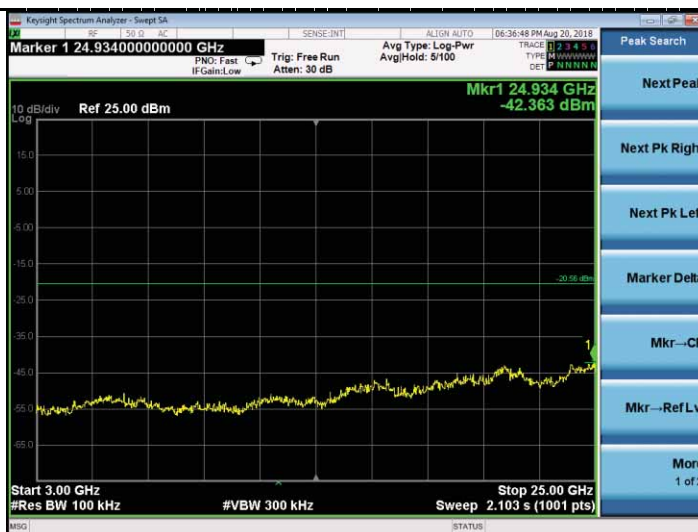
Test Mode:	802.11n HT20	Test channel :	11
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Channel 11

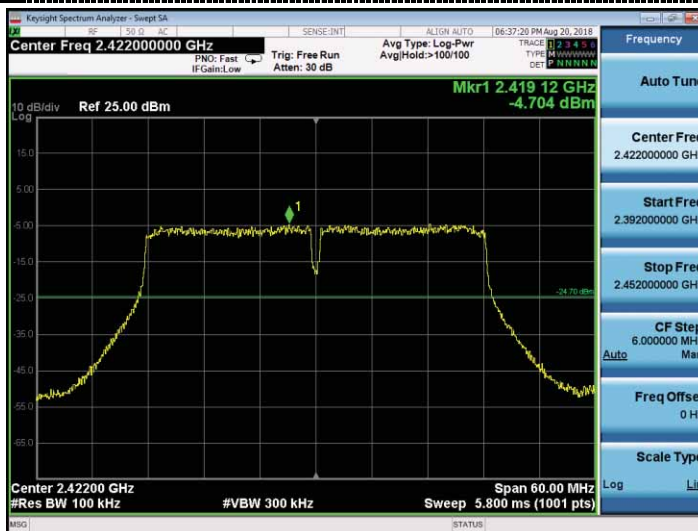


30MHz ~3GHz

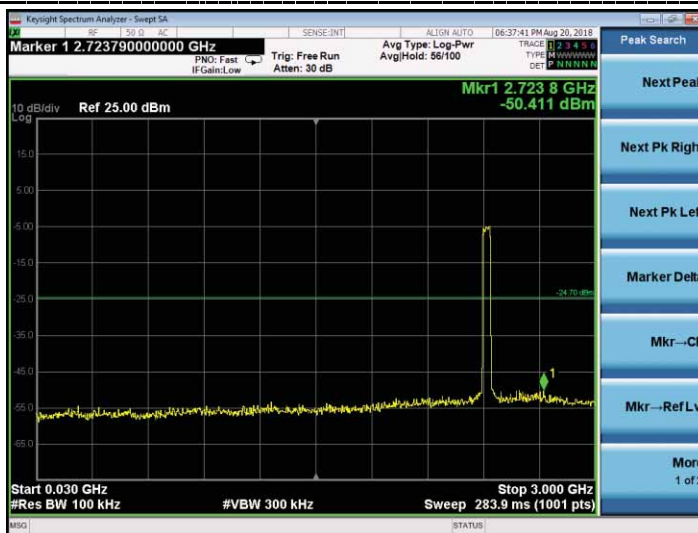


3GHz~25GHz

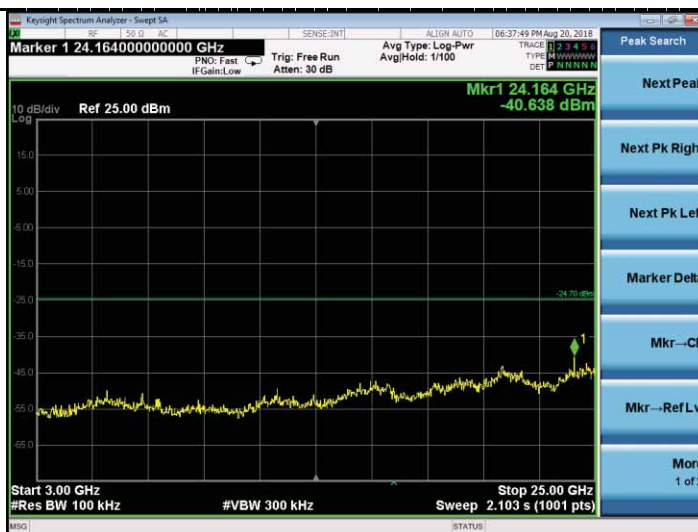
Test Mode:	802.11n HT40	Test channel :	03
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Channel 03

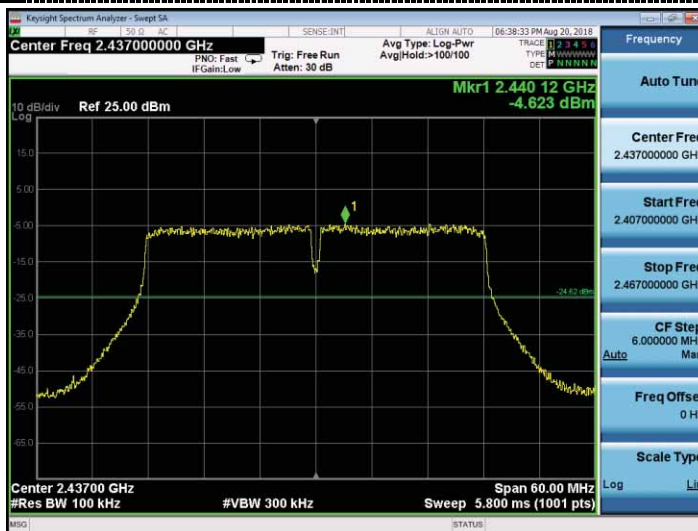


30MHz ~3GHz



3GHz~25GHz

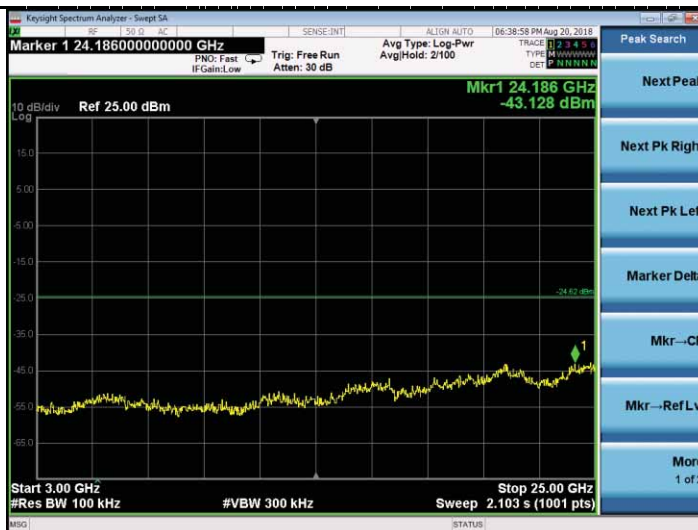
Test Mode:	802.11n HT40	Test channel :	06
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Channel 06



30MHz ~3GHz



3GHz~25GHz

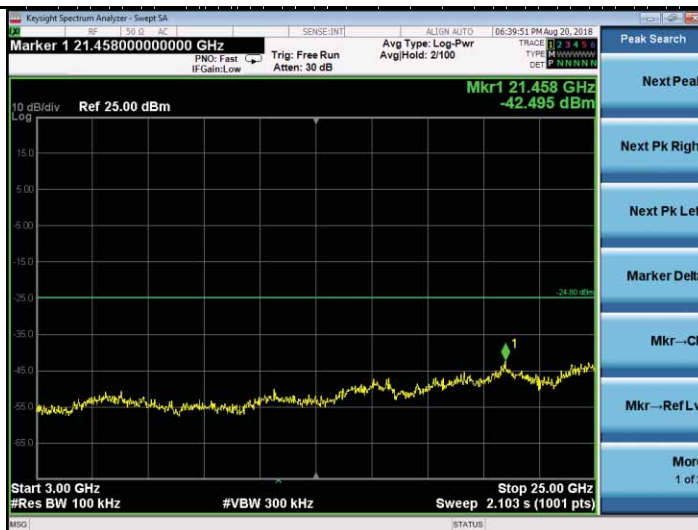
Test Mode:	802.11n HT40	Test channel :	09
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Channel 09



30MHz ~3GHz



3GHz~25GHz

4.8. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

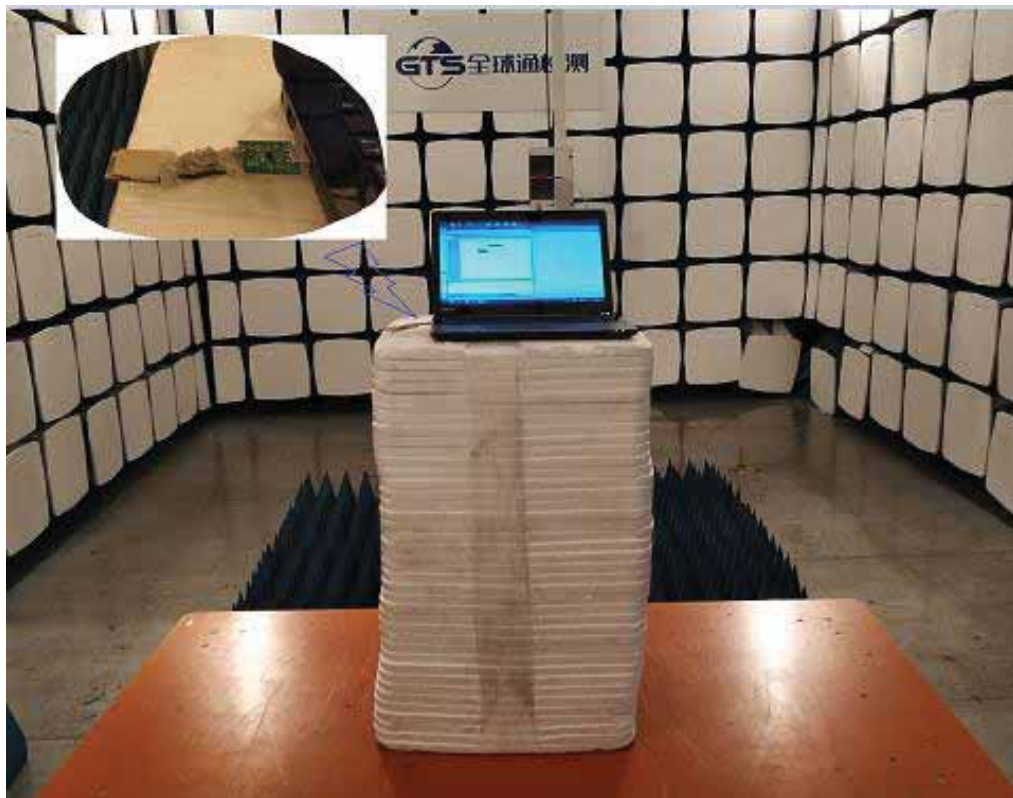
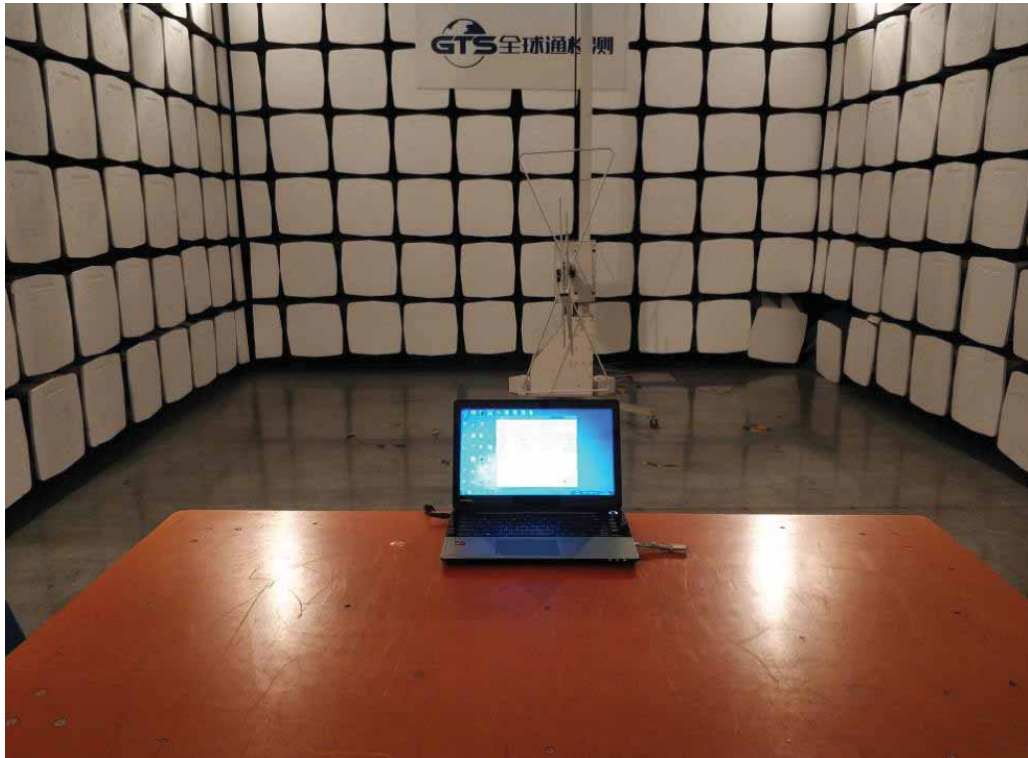
And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Test Result

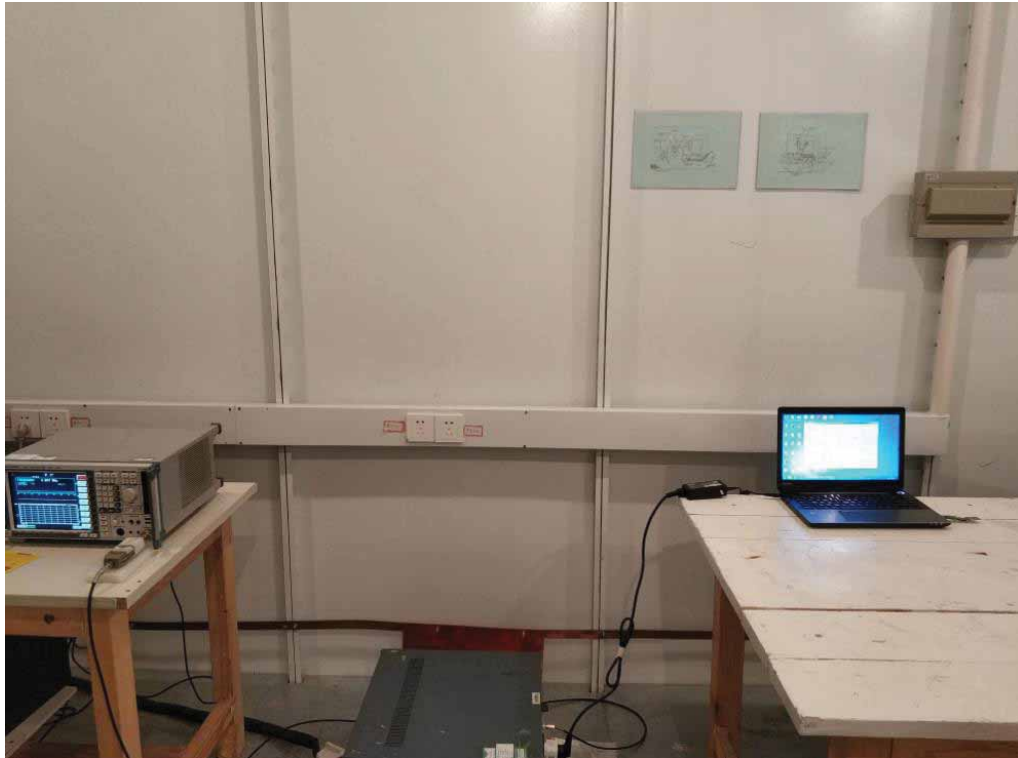
The antenna used for this product is external Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 0.83dBi.

5. Test Setup Photos of the EUT

Radiated Emission Test

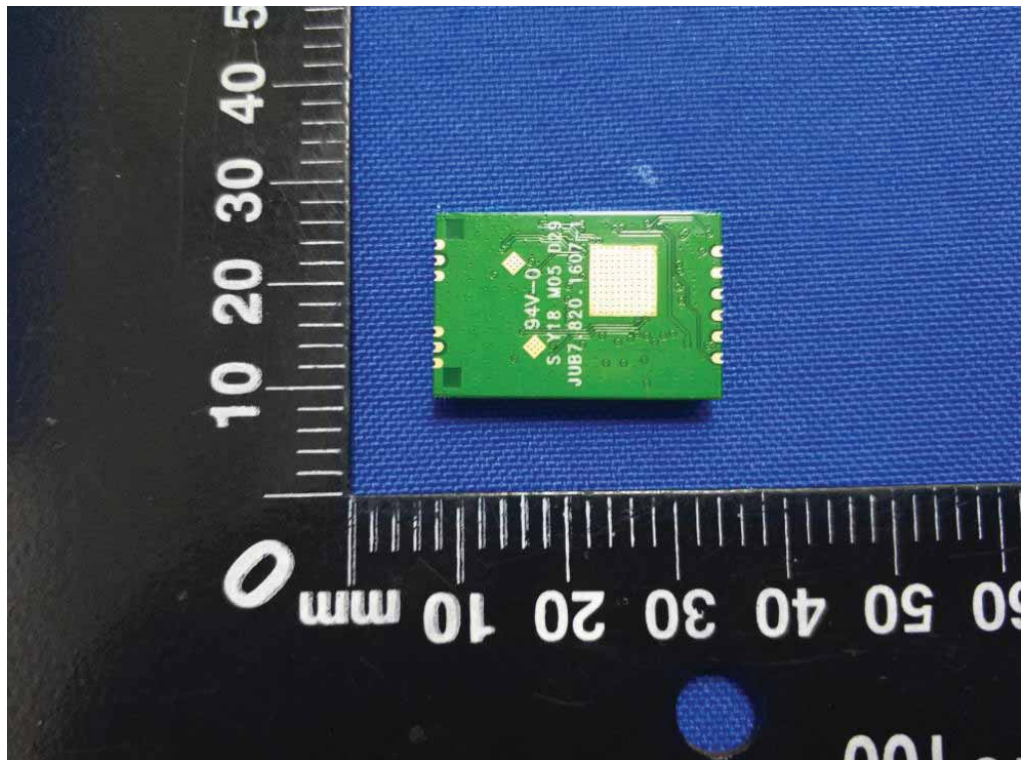
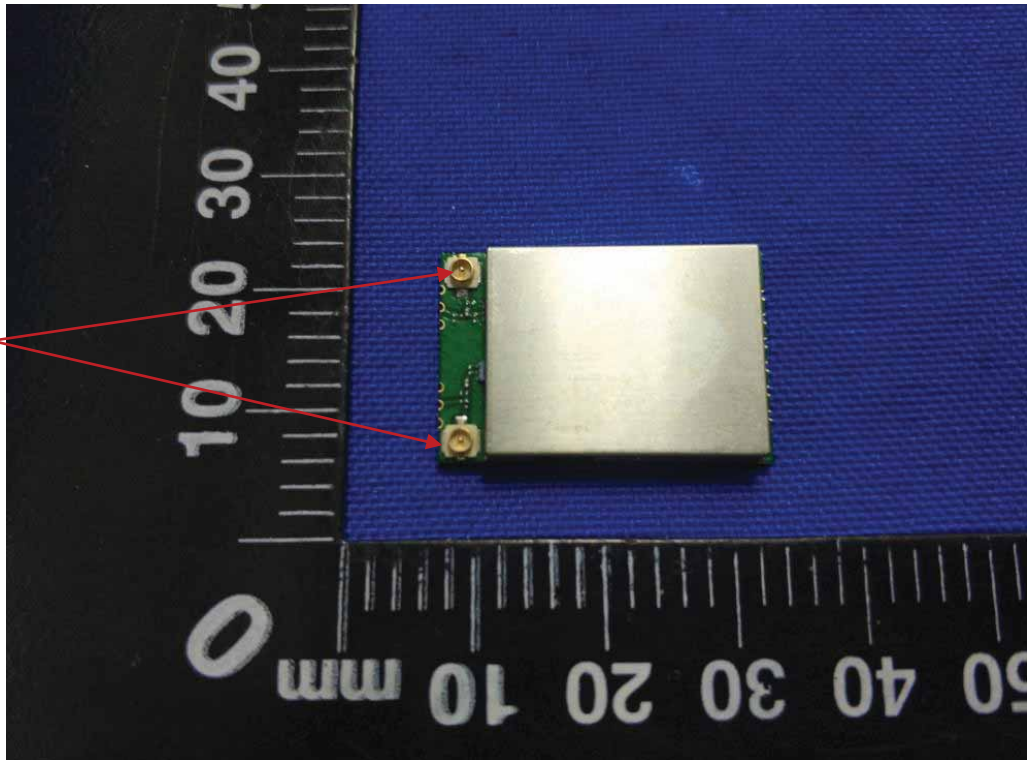


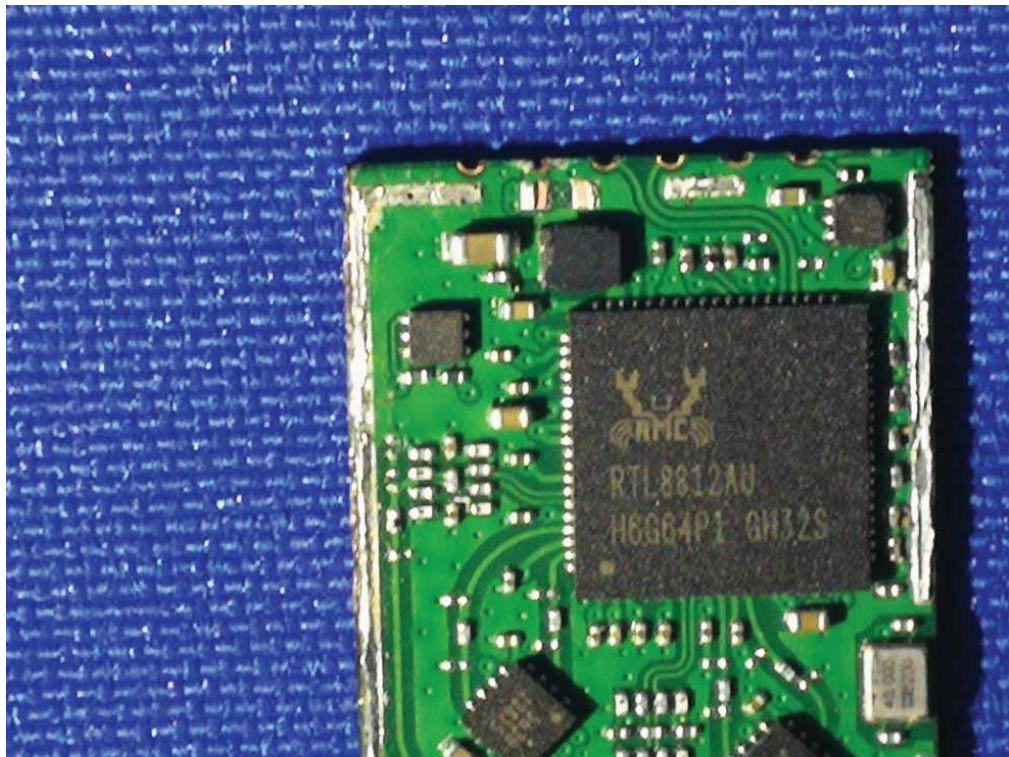
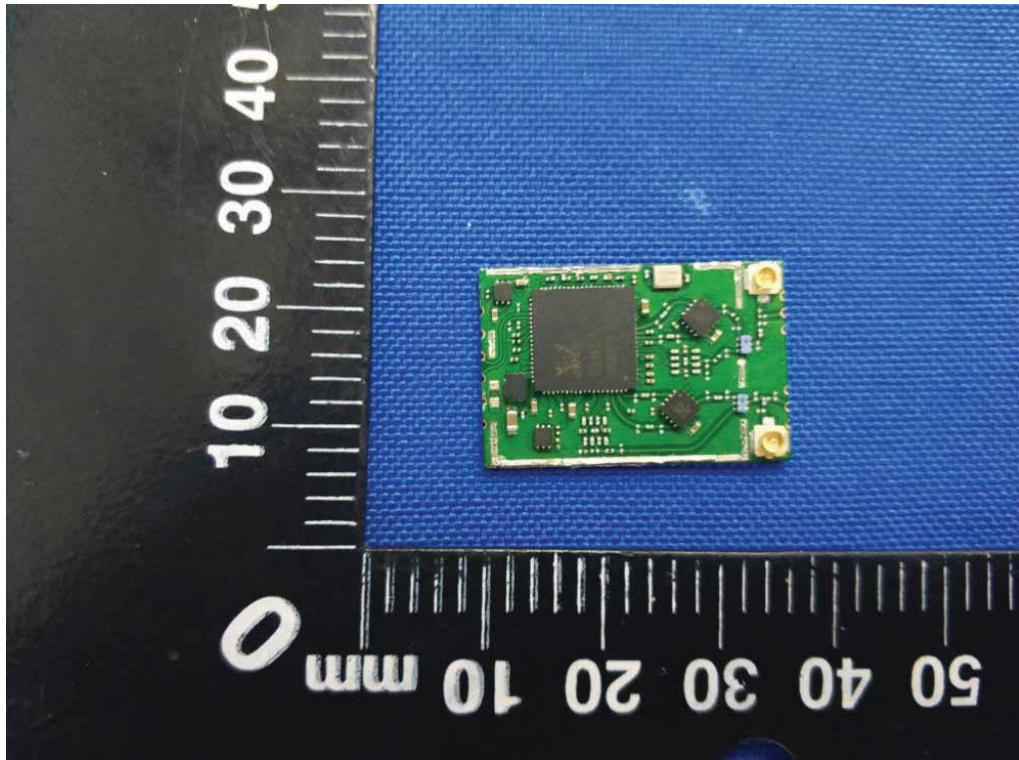
Conducted Emission



6. External and Internal Photos of the EUT

wifi Antenna





ANT1



ANT2



.....End of Report.....